

L14 ANSWER 7 OF 18 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:15324 CAPLUS

DOCUMENT NUMBER: 132:60988

TITLE: Immobilized reagents for phosphoinositide kinase assays

INVENTOR(S): Prestwich, Glenn D.

PATENT ASSIGNEE(S): University of Utah Research Foundation, USA

SOURCE: PCT Int. Appl., 35 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000000584	A2	20000106	WO 1999-US14566	19990626
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
AU 9947240	A1	20000117	AU 1999-47240	19990626
PRIORITY APPLN. INFO.:			US 1998-90922P P	19980626
			WO 1999-US14566 W	19990626

AB There is disclosed a compn. represented by the formula PIPn-L-S-Matrix, wherein PIPn is a phosphoinositide polyphosphate, L is a linker moiety, S is a scintillant, and Matrix is a solid support. Preferred linker moieties include succinimide and poly(ethylene glycol) linkers, and a preferred scintillant is 2-(4-amino-methylphenyl)-5-(4-biphenyl)-1,3,4-oxadiazole. In a preferred embodiment, the Matrix is a microtiter plate. The compn. can be used for assaying phosphatidylinositol kinases and for screening compds. for inhibition of phosphatidylinositol kinase activity. Methods of making and using the compns. are also disclosed.

L8 ANSWER 7 OF 42 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:15324 CAPLUS

DOCUMENT NUMBER: 132:60988

TITLE: Immobilized reagents for phosphoinositide
kinase assays

INVENTOR(S): Prestwich, Glenn D.

PATENT ASSIGNEE(S): University of Utah Research Foundation, USA

SOURCE: PCT Int. Appl., 35 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000000584	A2	20000106	WO 1999-US14566	19990626
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9947240	A1	20000117	AU 1999-47240	19990626
PRIORITY APPLN. INFO.:			US 1998-90922P	P 19980626
			WO 1999-US14566	W 19990626

AB There is disclosed a compn. represented by the formula PIPn-L-S-Matrix, wherein PIPn is a phosphoinositide polyphosphate, L is a linker moiety, S is a **scintillant**, and Matrix is a solid support. Preferred linker moieties include succinimide and poly(ethylene glycol) linkers, and

a preferred **scintillant** is 2-(4-amino-methylphenyl)-5-(4-biphenyl)-1,3,4-oxadiazole. In a preferred embodiment, the Matrix is a microtiter plate. The compn. can be used for assaying **phosphatidylinositol kinases** and for screening compds. for inhibition of **phosphatidylinositol kinase** activity. Methods of making and using the compns. are also disclosed.

L4 ANSWER 47 OF 48 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1980:490724 CAPLUS

DOCUMENT NUMBER: 93:90724

TITLE: A modified paper-binding procedure for the assay of nucleus-associated protein phosphokinases

AUTHOR(S): Goueli, Said A.; Slungaard, Rolv; Wilson, Michael J.; Ahmed, Khalil

CORPORATE SOURCE: Dep. Lab. Med. Pathol., Univ. Minnesota, Minneapolis, MN, 55417, USA

SOURCE: J. Pharmacol. Methods (1980), 3(3), 235-42

CODEN: JPMED9; ISSN: 0160-5402

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Previously existing paper-binding assay procedures gave results with large

variations when employed for the measurement of nucleus-associated protein phosphokinase activities. However, a modified method, utilizing the binding of ³²P-labeled phosphoprotein substrates to paper and employing washing procedures in 20% TCA at 60.degree.-70.degree., gave highly reproducible results. This modified procedure was satisfactory with either chromatin or a nonhistone protein fraction derived from it as a source of enzyme, and dephosphophosvitin, lysine-rich histones, or casein as phosphoprotein substrates.

L4 ANSWER 9 OF 48 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1995:907874 CAPLUS

DOCUMENT NUMBER: 123:309450

TITLE: Quantitation of individual protein kinase activity

INVENTOR(S): Goueli, Said A.

PATENT ASSIGNEE(S): Promega Corporation, USA

SOURCE: PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9523612	A1	19950908	WO 1995-US2856	19950306
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LT, LU, LV, MD, MG, MN, MW, MX, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, UZ,				
VN				
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 6348310	B1	20020219	US 1994-208573	19940304
AU 9520975	A1	19950918	AU 1995-20975	19950306
EP 760678	A1	19970312	EP 1995-913593	19950306
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT,				
SE				
JP 10511260	T2	19981104	JP 1995-523088	19950306
US 6066462	A	20000523	US 1999-280047	19990326
PRIORITY APPLN. INFO.:				
US 1994-208573 A 19940304				
WO 1995-US2856 W 19950306				
AB	A method and kit are provided for quantitating the activity of a selected protein kinase (e.g. in blood or tissues) on a peptide substrate for diagnostic purposes. The peptide substrate is conjugated to a binding			
	compd. The modified peptide substrate is added to a soln. contg. the selected protein kinase and incubated along with a label for sufficient time to form a modified peptide product having the binding compd. affinity. The bound peptide is then washed and the activity of			
the				
	protein kinase is measured. Thus, the activity of cAMP-dependent protein kinase was detd. by incubation with biotinylated Leu-Arg-Arg-Ala-Ser-Leu-Gly and ATP-.gamma.-32P, spotting			
the				
	reaction mixt. on a streptavidin-linked disk, washing the disk repeatedly with saline soln., and counting radioactivity on the disk in a scintillation counter.			